

DX LISTENING DIGEST 4-045, March 11, 2004

edited by Glenn Hauser, <http://www.worldofradio.com>

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NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

NEXT AIRINGS OF WORLD OF RADIO 1223:

Sat 0000 on Studio X, Momigno, Italy 1584

Sat 0900 on WRN1 to Europe, Africa, Asia, Australasia, webcast

Sat 0955 on WNQM, Nashville, 1300

Sat 1130 on WWCR 5070

Sat 1930 on WPKN Bridgeport, 89.5, webcast <http://www.wpkn.org>

Sat 2130 on WWCR 12160

Sat 2130 on WBCQ 17495-CUSB

Sat 2200 on DKOS usually, http://www.live365.com/stations/steve_cole

Sun 0030 on WBCQ 9330-CLSB [ex-0130!]

Sun 0330 on WWCR 5070

Sun 0730 on WWCR 3210

Sun 1100 on WRN1 to North America, webcast; also KSFC 91.9 Spokane WA,
and WDWN 89.1 Auburn NY; maybe KTRU 91.7 Houston TX, each
with webcasts

Sun 2000 on Studio X, Momigno, Italy 1584

Sun 2100 on RNI webcast, <http://www.11L-rni.com>

Sun 2330 on WBCQ 9330-CLSB [NEW]

Mon 0430 on WSUI 910, webcast <http://wsui.uiowa.edu> [last week's 1222]

Mon 0515 on WBCQ 7415, webcast <http://wbcq.us>

Tue 0400 on SIUE Web Radio <http://www.siue.edu/WEBRADIO/>

Wed 1030 on WWCR 9475

WRN ONDEMAND:

<http://new.wrn.org/listeners/stations/station.php?StationID=24>

OUR ONDEMAND AUDIO [also for CONTINENT OF MEDIA, MUNDO RADIAL]:

Check <http://www.worldofradio.com/audiomid.html>

WORLD OF RADIO 1223 (high version):

(stream) <http://www.w4uvh.net/wor1223h.ram>

(download) <http://www.w4uvh.net/wor1223h.rm>

(summary) <http://www.worldofradio.com/wor1223.html> [soon]

WORLD OF RADIO 1223 (low version):

(stream) <http://www.w4uvh.net/wor1223.ram>

(download) <http://www.w4uvh.net/wor1223.rm>

** AFGHANISTAN. This just might be the first website ever of an Afghanistan radio station: <http://www.arman.fm/>

The first commercial Afghanistan radio, Arman FM 98.1 publishes quite professional website, with audio clips etc. Check out the Afghanistan Top 40. The only western artists seem to be three sexy ladies ... 73 de (Pentti Lintuajarvi, Finland, March 9, hard-core-dx via DXLD)

** AUSTRALIA. 2310, VL8A, 1015 Mar 11, Fair reception today with weak parallels on 2325 and 2485. Usual music format with nice selections of jazz, rock and blues tunes. Promo mentioning "ABC and Territory Radio". Alice Springs was coming in fairly well this morning considering the limitations of my antenna, a 40m Delta Loop. I will probably construct a decent lower HF band antenna this fall after the summer noise level drops (David Hodgson, TN, DX LISTENING DIGEST)

** BOLIVIA. 4903.7, R San Miguel, 0925 Mar 11, Regional music, Live ID by announcer at 0930, then into ads. Good audio, some downward frequency drift, fair signal strength (David Hodgson, TN, DX LISTENING DIGEST)

** BOLIVIA. Bolivian state media reorganized

Bolivian President Carlos Mesa Gisbert has instructed a team of professionals with setting up a national communications system, which replaces Unicom, the communications unit created by former president Gonzalo S·nchez De Lozada. Hinting at the manipulation and use for propaganda that existed during the previous administrations, President Mesa explained that it is important to set up a state information and communication system that will serve the needs of society, but that this requires a change of direction and the adequate use of the media for educational, information, and entertainment purposes.

Bolivia has a range of private television channels with Empresa Nacional Televisi·n operated by the government (AIB, Vol. 7 # 1 via Gayle Van Horn/Freq Manager, Monitoring Times, DX LISTENING DIGEST)

** CANADA. RCI's New Schedule --- Thanks to Glenn Hauser's March 5 DX Digest we now know that the plan for the RCI's evening schedule is to re-run the World at Six for the first half hour and then RCI's weekly programs. I wonder will it be an updated version of the World at Six, broadcast to Canada's west coast or just a rebroadcast of the Eastern Time zone version? One hopes the latter (Sandy Finlayson, March 8,

swprograms via DXLD)

** CANADA. 6030, CFVP: I tried 6030 again Monday, Mar 1 from 0745 and found Marti absent, as expected, but the jammer again present. This is the second Monday in a row where I have found this, so it looks like there is no longer a "Monday morning window" when the frequency is clear (Jerry Berg, MA, NASWA Flashsheet via DXLD)

** CANADA. Hi Glenn: With respect to Sheldon Harvey's report on CFAV, 4-044:

I heard this station on February 29, 2004 at 0035 UT. At 0044, they clearly gave the call letters "CFAV" in the station ID which appeared to be every 15 minutes during my listening period. Rather tough copy with QRM from WFLA in Penn Yan, NY and WPEP in Taunton, MA. I called the station (450) 680-1570 and spoke to "Margo". She gave her title as "Jack of All Trades"! She said they are running 10 kW now and have been on regular programming for about 2 weeks. She said the Station President's name is Gilles LaJoie (John L. Sgrulletta, NY, March 11, DX LISTENING DIGEST)

They also continue to be about 65 Hz off frequency, which turns 1570 into mud here. The standards in Canada call for an error of no more than 10 Hz in carrier frequency (Barry McLarnon, VE3JF, Ottawa, ON, NRC-AM via DXLD)

** CANADA [and non]. FMakings ñ Selected Industry Canada Applications and/or Rulemakings: ON Niagara Falls CFLZ 105.1 30000 h,v; d-a, Class B, with a directional signal toward Buffalo NY. It is jointly owned with CKEY 101.1 Fort Erie, which is selling advertising in Buffalo with another broadcaster. The CRTC is concerned that CFLZ will become a defacto Buffalo station (March FMedia! via DXLD)

** CANADA. Standard vs. Corus at CRTC --- CRTC gives Corus Entertainment a slap on the wrist for the way it operates two southern Ontario radio stations, CKDK-FM and CING-FM.

Based on the evidence before it, the Commission is concerned that Corus appears to have been operating CKDK-FM Woodstock and CING-FM Hamilton so as to expressly target the audiences in the markets of London and Toronto, respectively. The Commission considers that, if CKDK-FM and CING-FM are effectively serving London and Toronto rather than Woodstock and Hamilton --- Please see <http://www.crtc.gc.ca/archive/ENG/Letters/2004/lb040311.htm> (via Ricky Leong, QC, DXLD)

** COLOMBIA. La Voz de tu Conciencia, 6010.21, March 7 0353-0400+ --- Good, strong with 0354 ID. Religious music program with children's

chorus, local ballads. Spanish talk. 0400 covered by some kind of wide-band noise spread from 6005 to 6015 that wiped out everything in this frequency range (Brian Alexander, Mechanicsburg PA, DX LISTENING DIGEST) BBC DRM from Sackville (gh)

** COLOMBIA. Hola Glenn, Saludos desde Catia La Mar, VENEZUELA. Reactivada luego de varias semanas, La Nueva 730 AM, estación de la Cadena Melodía de Colombia. Captada el 10/03, a las 0348 UT, con SINPO 32432, en la frecuencia de 6139.78 kHz. Baladas en español, Julio Iglesias "Me olvidé de vivir", promoción del primer lugar de Melodía FM 96.9 en Bogotá, comentario sobre paro de la empresa de transporte Transmilenio. Ausencia notable de la recurrente sección "Concierto en Melodía". Aparte de la supresión de la mención Melodía en casi todos los jingles, el corte musical de la estación es m's adulto, es decir, dirigido a una audiencia mayor de 35 años (Ad'n González, Catia La Mar, VENEZUELA, DX LISTENING DIGEST)

Esta mañana a través de la frecuencia 6140 kHz, como a las 1200 UT pude escuchar las siguientes identificaciones:

``Están escuchando: Cundinamarca al día, el noticiero líder del departamento.``

``Melodía FM estereo 96.9, líder en música, líder en noticias, líder en opinión, Melodía FM estereo, la radio positiva que cree en Colombia, primer lugar de sintonía, gracias Bogotá por escucharnos, felicitaciones por saber distinguir.`` Atte: (José Elías, Venezuela, March 11, Conexión Digital via DXLD)

** COLOMBIA. 6035, LV del Guaviare, 0955 Mar 10, Good signal strength but slop from R Martí and the Cuban jammer covered the lower sideband. Ballads, canned ID at 1000, then ad block (David Hodgson, TN, DX LISTENING DIGEST)

** CROATIA [non]. HRT, Croatian Radio, A-04, via DTK 100 kW Jlich:
9925 2200 0300 55,59,60 202 230 218 1234567 280304 311004
9925 2300 0259 6 - 10 112 300 216 1234567 280304 311004
9925 0100 0459 2 - 10 119 325 216 1234567 280304 311004
12110 0400 0659 55,59,60 202 230 218 1234567 280304 311004
12110 0600 1000 58,59,60 208 270 218 1234567 280304 311004
(DTK via Alokesh Gupta, DX LISTENING DIGEST) 12110 is new vs A-03 (gh)

** CUBA. RHC 9820 low or no show, English to North America (Bob Thomas, Bridgeport CT, March 8, DX LISTENING DIGEST) 0100-0700?

** CUBA. RHC: Radio HUM Cuba --- Glenn: Tuned through the 31M band tonight, stopping to marvel at a veritable "beacon of hum": yep, RHC at 9600 (03-11-04, 0325), desecrating their own great Leader and

Teacher, whose 4-hour ramble to the economic ministers' conference in Habana recently was being played from a recording that I naturally assumed was faulty from the overpowering mains intrusion. Under the noise, Fidel seemed very tired and weak, but he managed to croak out a few jibes at America which even my attenuated Spanish vocabulary aided me in intuiting; in particular, he drew appreciative audience chuckles when he mentioned our national deficit and that the United States' economy was allegedly now a "third world" one. Much amusement all around; the effect slightly spoiled because the 120 Hz hum was louder than either Castro's speech, or the guffaws. But when I tuned a bit further down the dial, I found the same broadcast on 9550 a minute or so later, WITH NO HUM. Both transmissions had exceptionally low modulation, making me wonder if the transmitters in this supposedly deficit-free land of prosperity are running on energy extracted directly from Fidel's endless rants, which after 45+ years must add up to more than Mozart's entire lifetime. So, here we have proof that the problem with Cuban transmissions seems to be in the links and lashups to the individual rigs, abetted by the most abysmal maintenance and quality control lapses apparent on the international broadcast scene (Steve Waldee - retired radio station CE, San Jose, CA, DX LISTENING DIGEST) Earlier:

Radio Rebelde Splatter --- Glenn: Hey, Fidel, mi mal amigo: tell your old buddy Arnie to put in a reasonable and practical lowpass filter on R. Rebelde so that it does not cover up the Solomon Islands station at 5019. In fact, your 5025 signal is splattering all the way down to 5013, meaning that you are burning precious sugar cane for no good reason at all, merely to transmit high frequency partials that practically no shortwave receiver can reproduce. What a pain in the tuchis: for months, Cuban radio stations were so faintly modulated that we could hardly make sense of what was being programmed. Now you have gone to the other extreme, and are clattering all over your fellow third-worlders with dirty hob-nailed boots. Is it too much to ask for Cuban broadcasters to act responsibly? (Don't bother to answer...) (Steve Waldee - disgruntled former broadcast audio consultant, San Jose, CA, March 10, DX LISTENING DIGEST)

** CUBA. Si amigos, we are working hard here to improve the quality and reliability of Cuba's broadcasting service on short wave, AM, FM and Television. RadioCuba, the totally state owned company that is in charge of the transmitters is now well advanced into the installation of new AM, FM and TV transmitters all along the Cuban archipelago. At the Isle of Youth, Radio Caribe is now with a new 5 kiloWatt AM transmitter operating on 1220 kiloHertz and RadioCuba engineers also installed an FM transmitter there operating on 101.7 megHertz with 3 kiloWatts effective radiated power, more than enough to cover the Isle of Youth and the adjacent Cayo Largo tourist resort. At the same time, the Cuban Broadcast Institute implemented a modernization plan at the

Radio Caribe studios using digital technology. The Radio Caribe studios are linked to the FM transmitter using a digital UHF link, and soon the analog UHF link to the AM site will be replaced by a new digital one too. Similar projects are in progress all along the Cuban archipelago, like for example in Matanzas province, east of Havana, where the old Radio Rebelde 30 kiloWatt Tesla transmitter that I helped to install in 1963 was replaced by a new solid state 25 kiloWatt transmitter capable of up to 140 percent positive peak modulation. Radio Rebelde's Matanzas relay is operating on 620 kiloHertz, while at the same site, a new Radio Reloj network also solid state transmitter is running 5 kiloWatts on 860 kiloHertz, improving the coverage of that news and information broadcast service.

Cuba's fourth national TV network transmitters are now also being installed and it is expected that the fourth national TV program service will soon be on the air (Arnie Coro, C02KK, RHC DXers Unlimited March 9 via Bob Chandler, VE3SRE, ODXA via DXLD)

** CUBA [non]. Re 4-044: FROM "LA NUEVA CUBA" MARCH 5, 2004 By Ares Spinoza, Washington

Why not do everyone a favor, including both sides in this internecine battle, and put Radio Martí out of its (and our) misery by killing it once and for all. It's been nothing but a political football for the Cuban exile community since its inception -- and an exceptionally expensive and wasteful one at that (John Figliozi, NY, March 10, DX LISTENING DIGEST)

** ECUADOR. 3280/4870, R. María: I found their programming in // via LV del Napo 3279.53 and newly reactivated Voz del Upano 4869.94 at 0330 Mar 1. I checked them later and found Napo breaking away and going into their own programming at 0858, while Upano stayed with Maria (probably until 1000). No sign of Upano at all on the morning of Saturday, Mar 6, 0800-1000+ checks, but they were back on Sunday Mar 7, with Napo starting to break away from María at 0950, for the first 5 minutes giving Napo IDs and atenciones but returning to the María programming for brief music bridges (Jerry Berg, MA, NASWA Flashsheet via DXLD)

** EUSKADI [non]. Spain --- New Book about Radio Euskadi
February 29, 2004 Article originally posted at:
<http://www.berria.info/english/ikusi.php?id=283>

The voice of Basque resistance

The news reports filed by Gerardo Bujanda, nicknamed Jon de Igeldo, have been collected and published

Ainara Gorostitzu ñ DONOSTIA (San Sebastian)

"Ladies and Gentlemen, listeners of the radio station of the Basque Government in exile. Our undercover reporter in Donostia is none other than Gerardo Bujanda, the current Chairman of the Gipuzkoa Executive Committee of the EAJ." In 1977 Iñaki Anasagasti would have loved to have announced this piece of news. From 1965 onwards news about the Basque Country was broadcast from somewhere near Caracas over the radio waves of Radio Euzkadi. From Euzkadi (the Basque Country). Jon de Igeldo, who was in actual fact Gerardo Bujanda, sent news about Donostia by letter to Venezuela. It was then broadcast back to the Basque Country.

Gerardo Bujanda (born Donostia 1919) filed news reports about Donostia between 1968 and 1974. Under the pseudonym Jon de Igeldo he reported, among other things, on the creation and consolidation of the Ikastolas (Basque-medium schools), the Governors' visits, the Aberri Eguna celebrations, the punishments, the persecution, François visits to Donostia, the imprisonment of priests, the Burgos trial, the homily of Añoveros (the one-time Bishop of Bilbo), the first years of ETA. (Ö) Iñaki Anasagasti, EAJ member of the Spanish Parliament, was on the Radio Euzkadi team and hung on to all the news items. They have now been gathered together in the book entitled 'Jon de Igeldo' Corresponsal Clandestino de Radio Euzkadi published by the Sabino Arana Cultural Association and Radio Euskadi (via A. Sennitt, Holland, Feb 28, 2004 for CRW via DXLD)

** GERMANY. Re 4-044: infoRadio, Berlin at 7265 (03-09-04, 0240-0245), broadcasting the news in German complete with handovers from male to female newsreaders, stingers, etc.

--- No longer RBB Inforadio as overnight relay on 7265, instead since January now MDR Info, see <http://www.swr.de/contra/schema-werktag.html> (and past DXLD's for previous coverage). Regarding the stingers etc.: They are one of the reasons why I rely on Deutschlandfunk instead. And concerning the output on 7265: Yes, 20 kW, and the transmitter is the very same than was once used by Radio Bremen on 6190, relocated to Rohrdorf when the old Radio Bremen transmitter site was closed. Pictures of the Rohrdorf station see at the bottom of <http://www.ukwtv.de/sender-tabelle/extern/heinz/BWU.htm> (By the way, the Ravensburg station also pictured there was in the past another transmitter of what was then Südwestfunk and only later transferred to the postal office for Deutschlandfunk transmissions.) (Kai Ludwig, Germany, DX LISTENING DIGEST)

** GREECE [non]. VOG via Delano again on the wrong frequency, 9670 instead of 9690, March 10 at 1403 check, and still so just before closing at 1459. Once again opened 9690 for All India Radio, news in

English, but poor this date. Is this really a mistake? Yes, next day March 11, VOG was back on 9690 as scheduled:

9690 1200 1500 ERT ERA5 VAR DL 03 075

But there is no DL-03 scheduled on 9670 at any time. However, another Delano transmitter is scheduled at a conflicting time, so I wonder if the two get swapped by mistake, with BBC showing up on 9690 for half an hour when VOG is on 9670 for three hours? I haven't checked before 1330. If not, both programs on the same frequency would be quite a mess: 9670 1300 1330 BBC BBCS SPAN DL 07 125 12345

(Glenn Hauser, OK, DX LISTENING DIGEST)

** GUATEMALA. R. Verdad, 4052.47, March 5 0550-0601* -- tune-in to religious music; 0555 English sign-off announcements with ``Radio Truth`` ID and address followed by Spanish announcements, 0556 NA. Good (Brian Alexander, Mechanicsburg PA, DX LISTENING DIGEST)

** HONDURAS. Glenn: On 03-10-04 I was able to hear, for the first time, R. Luz y Vida at exactly 3250.58, from San Luis, Honduras ID given at 0302. I am not usually getting good tropical band Latin American reception at this hour; it was a surprise. The signal was quite good, and the audio consisted of a male announcer giving what sounded like prayers, followed at 0304 by a few seconds of organ music, and then more of the same. Receiver used was an Icom R-75; antenna was my new "asymmetrical horizontal delta loop", augmented by three new ground rods and improved balun and coax (which seem to be paying off for the sweat-equity invested.) Best, (Steve Waldee, retired radio station chief engineer, San Jos , California, DX LISTENING DIGEST)

3250, San Luis Pajon, R. Luz y Vida, 0252 3/7. Fair with QRN. Announcer Don Moore with program note, QTH, frequency announcement and "HRPC" ID into (syndicated) religious program featuring "Monica Richards." (Jim Clar, NY, NASWA Flashsheet via DXLD)

** INDONESIA. RRI Surabaya (tentative), 3985.02. At 1055 I tuned in to very sentimental sounding instrumental music, with Indonesian tinged style and female announcer; at 1059 the deep-throated gong was struck, and then an ID was given, which I could not *quite* discern; then what seemed to be the start of a news program with first a man, then -- after four ascending notes of a chime -- a woman. Presumably RRI Surabaya, assumed from the evidence of the tell-tale gong. Good quality reception on my NE-SW 107M dipole (Steve Waldee - retired radio CE, San Jose, CA, 10 March, DX LISTENING DIGEST)

** ITALY [and non]. IRRS-Shortwave / NEXUS-International Broadcasting Association (Milan, Italy): ----- A04 tentative schedule effective 28 March 2004-31 Oct. 2004, valid until further notice:

13840 - 0800-1200 UT Sat & Sun ITU zones: 18-19,27-30,37-39 20 kW DSB
5775 - 1900-2030 UT daily excl. Fri 18-19,27-30,37-39 20 kW DSB
5775 - 1900-2030 UT Friday ITU zones: 18-19,27-30,37-39 100 kW DSB

Live audio at <http://mp3.nexus.org>

Schedules also available at <http://www.nexus.org/NEXUS-IBA/Schedules>

Alfredo E. Cotroneo, CEO, NEXUS-Int'l Broadcasting Association
PO Box 11028, 20110, Milano, Italy email: info@nexus.org
Ph: +39-335-214-614 (try first)/+39-02-266-6971 Fax: +39-02-706-38151
Regds, (Alokesh Gupta, New Delhi, India, March 9, DX LISTENING DIGEST)

** ITALY [non]. CWR next Sunday on AWR

Next Sunday, 14 March, inside STUDIO DX on AWR at 10 UT on 11730 kHz,
we invite to listen to Chris Ise of Crazy Wave Radio with a lot of
news and tapes about free radio scene. Good listening, STUDIO DX

ogni domenica: ore 10 UT su AWR, 11730 kHz
ore 11 UT su Radio Studio X, 1584 kHz AM stereo
<http://www.studiodx.webport.it>

Buon ascolto, Stefano Mannelli (via Mike Terry, BDXC-UK via DXLD)

** JORDAN. R. Jordan English at 1600 and 1700 on 11690 improving on AM
side, still sparring with RTTY (Bob Thomas, Bridgeport CT, March 8, DX
LISTENING DIGEST)

** KOREA NORTH. Glenn: The "Korean National Democratic Front" station
now seems to be transmitting on 5950, a new frequency as far as I can
tell after checking with all of my resources. At 0930 to 0940 I heard
choral and vocal music -- probably jingoistic -- in parallel to the
KNDF transmission on 4450. The signal quality was very wobbly and
muddy, as usual for that station; furthermore, heavy co-channel
interference was heard from what might be Radio Rossii, judging from
the hectoring tone of the male announcer in what sounded very much
like stentorian Russian. And yet a third station faded up and down,
unintelligibly, in this melange.

The Russian station was best heard with my 107M NE-SW dipole; the
Korean jumble with my large horizontal loop. Rx: R75. Best, (Steve
Waldee, San Jos , CA, DX LISTENING DIGEST)

** KOREA SOUTH [non]. KBS 0200 English to NAm on 9560 doesn't
propagate well to my area (Bob Thomas, Bridgeport CT, March 8, DX
LISTENING DIGEST) Sackville too close; frequency too high (gh)

** KUWAIT. Haven't been able to hear R. Kuwait English to North
America 1800-2100 for several weeks. Splash from 11985; also 11995

splash from RFI (Bob Thomas, Bridgeport CT, March 8, DX LISTENING DIGEST)

** MADAGASCAR. Madagascar Radio Netherlands relay now back on

(Updated and edited, just received from Andy Sennitt, Radio Netherlands; he had learnt that the relay was back in operation after just announcing it was off! -- met)

On Sunday 7 March, another cyclone passed over Madagascar, followed by a second one later in the week. As far as we know, there has been no damage to our relay station, and none of our colleagues were injured. However, power supplies on the island were restricted, and for that reason the following transmissions from Madagascar had been temporarily suspended are now operating normally again. The cyclone that caused the problems is still active in the region, so there's a small chance that the island could be affected yet again, but we are keeping our fingers crossed. Remarkably, the only "damage" to the station was that a satellite dish was blown out of alignment, and this has now been fixed (Andy Sennitt, Media Network, March 11, via Mike Terry, UK, DXLD)

** MEXICO. Let me clarify my remark about the XERMX closure story coming from an anonymous source: the actual announcement about the impending shutdown was attributed by name to the latest RMI director at a staff meeting in February.

And it's still going March 10, 9705.0 in fact the best I have heard in some time at 1400 with no QRM, no IBB and no het; modulation fair with slight distortion. Live Antena Radio program with time check on the hour, phone numbers, apparent call-in with the topic being the 1954 CIA overthrow of Arbenz in Guatemala, mentioned again at 1433. Rechecked before 1500, the het was back, Ethiopia? Mostly music from XERMX thereafter past 1600 tho weakening. Entirely different 24 hours later on March 11: Before and after 1400, except for a pause at 1359, when Spanish could be heard, 9705 was obliterated by VOA Saipan in Cantonese 1300-1500 (Glenn Hauser, OK, WORLD OF RADIO 1223, DX LISTENING DIGEST)

** MONACO [and non or non non]. Re: ``yes, Col de la Madone and Fontbonne are on the French soil (city of Peille) but the ground soil BELONGS to Monaco``

I understand that quite a lot of property in France is owned by Monaco, but I have no idea about the legal status in these cases. And the story of the French "peripheral stations" is somewhat complicated anyway. Best regards, (Kai Ludwig, Germany, DX LISTENING DIGEST)

** NEW ZEALAND. Glenn: Radio Reading Service (tentative): snatches of male voice singing and then speaking, under slightly buzzy QRM that became worse in heavily filtered ECSS mode; better in AM detection. No other station found at this frequency of 3935.09 except ZLXA, Levin, New Zealand: so tentative claim here, subject to verification or corroboration, though I did check to make sure it was not related to any local BCB stations. 03-10-04, 1040 to 1050Z. Better signal with 107M dipole than other antennas. Signal improved by end of logging period; one could almost get a syllable or two of the speech, and discern the transitions from talking to music, which might have had a rather lush instrumental quality, like "beautiful [elevator] music". Rx: R75 (Steve Waldee, CA, DX LISTENING DIGEST)

** NEW ZEALAND. RNZI A'04 --- Radio New Zealand International, The Voice of New Zealand, Broadcasting to the Pacific

Our direct broadcasts can be heard on short-wave as follows:
28 Mar 2004 - 30 Oct 2004

UTC	kHz	band	Target	Azimuth	Days
0459-0705	9615	31	All Pacific	0	Daily
0706-1059	9885	31	All Pacific	0	Daily
1100-1259	9885	31	NW Pacific, Bougainville, Timor, Asia	325	Daily
1300-1850	6095	49	All Pacific	0	Daily
1851-1950	9885	31	NE Pacific, Fiji, Samoa, Cook Islands	35	Daily
1951-2050	11725	25	All Pacific	0	Daily
2051-0458	15720	19	All Pacific	0	Daily

Internet

We broadcast our breakfast sessions via the Internet and also have several news bulletins and programmes available as audio files. See the Audio Links page for details.

World Radio Network

The WRN programme is distributed via direct-to-home satellites, cable systems, FM and AM rebroadcasts and the Internet.

Korero Pacifica - Recorded in RNZI's Wellington studios, this 15 minute programme includes a news bulletin covering the Pacific region including Fiji, Tonga, the Cook Islands, Vanuatu, Solomon Islands, Samoa and New Zealand, followed by a short current affairs feature. In New Zealand, WRN is available on cable in some northern parts of the North Island. Our WRN programme is available from the WRN Sound Store as a RealAudio file.

WRN North America (English)

Korero Pacifica - Mon - Fri 1700 UTC

Dateline Pacific - Sat 0600 UTC

Dateline Pacific - Sun 0630 UTC

WRN South America (English)

Korero Pacifica - Mon - Fri 1700 UTC

Dateline Pacific - Sat 0500 UTC

Dateline Pacific - Sun 0000 UTC

WRN Europe (English)

Korero Pacifica - Mon - Fri 1700 UTC

Dateline Pacific - Sat 0430 UTC, 1500 UTC

Dateline Pacific - Sun 0900 UTC

Rebroadcasters

The following Pacific stations rebroadcast parts of our programme:

Cook Islands - Cook Islands Broadcasting, KC FM

Fiji Islands - ZFM Classic

Kiribati - Radio Kiribati, Niue, Radio Sunshine

Samoa - Radio 2AP, Magic 98 FM, American Samoa, KSBS FM

Tonga - Radio Tonga, Vava'u FM Tonga

Vanuatu - Radio Vanuatu, Tudei FM

Solomon Islands - Solomon Islands Broadcasting

Norfolk Island - Norfolk Island Broadcasting

Stations in Fiji, Papua New Guinea, New Caledonia and Australia also make use of our material. If you rebroadcast part of our programme, and you are not listed here, please let us know so that we can include you. (From : RNZI Website) Regds, (via Alokesh Gupta, New Delhi, India, WORLD OF RADIO 1223, DX LISTENING DIGEST)

** OKLAHOMA. KFOR-TV, channel 4, OKC, is plugging its Forewarn Forecast Channel, one of four channels on KFOR-DT, which is on 4.2, all weather all the time, and available to all cable operators. We can only long for this replacing the trashing of the NBC schedule whenever it gets windy in storm season (Glenn Hauser, OK, DX LISTENING DIGEST)

** OKLAHOMA [and non]. Attorney fires back at KXOK

3/11/04 By Robert Barron Staff Writer

[http://www.enidnews.com/story.php?](http://www.enidnews.com/story.php?story_id=57570&c=29&PHPSESSID=441afbe41b167dba8d60c5991c247f51)

[story_id=57570&c=29&PHPSESSID=441afbe41b167dba8d60c5991c247f51](http://www.enidnews.com/story.php?story_id=57570&c=29&PHPSESSID=441afbe41b167dba8d60c5991c247f51)

An attorney for a minister whose series was carried locally on KXOK television took issue recently with statements made by the station's owner.

The two sides are at odds over a contract to broadcast the minister's show on the Enid station.

Attorney Ken McKenna of Los Angeles represents Dr. Gene Scott and said

Scott has never been a part of a contract between University Network, KXOK and the station's owner, Rex Faulkner.

"The history of Mr. Faulkner's relationship with University Network is simple. Mr. Faulkner came to California and requested University Network provide programming for his station. He never met Dr. Scott and has never had an agreement with him," McKenna said.

Faulkner agrees he never has met Scott but said he dealt extensively with "his people," even traveling to Los Angeles at their request.

A contract was signed between Faulkner and University Network, the network that carries Scott's television program. The contract for the program was written by Faulkner, McKenna said.

Faulkner sent Scott, by certified mail, a complaint with two summonses related to a contract dispute between the two parties, McKenna said.

The complaint contends Scott and University Network owe Faulkner about \$150,000 after terminating the contract, but McKenna said there is no basis for the debt.

The contract was terminated due to alleged repeated material breaches by Faulkner, McKenna said.

The contract called for KXOK to carry University Network programming 24 hours a day, McKenna said, with the exception KXOK would be able to use the time from 7 to 9 a.m. and 5 to 10 p.m. daily for other programming.

McKenna said the station regularly inserted commercials during the religious programming regardless of the timing.

University Network notified Faulkner of the violation repeatedly, he said. The violations continued and the contract was terminated, McKenna said.

Faulkner disagreed.

"I have never received one correspondence from Scott or his people concerning any problems whatsoever with our broadcasts," said Faulkner, also an attorney.

Whatever concerns the network had were dealt with appropriately, he said.

"To this date I have not spoken with Dr. Scott, although I flew to Los Angeles at his request," Faulkner said. "I still did not meet him."

McKenna said Scott does not own any part of the University Network, which has headquarters in Glendale, Calif.

"We lived up to our terms of the agreement," Faulkner said. "I've never said one word to the man, either by telephone or in person. Dr. Craig Lamp is the individual who has always spoken on Dr. Scott's behalf."

Faulkner said he still wonders why payment was stopped for airing Scott's television program (Enid Eagle March 11 via DXLD)

** OKLAHOMA. Call Letters Assigned or Changed: OK Enid 96.9 KQOB (ex-KQBL), still ``96-9 Bob``.

FMakings --- selected FCC applications and/or Rulemakings:
OK Lahoma KXLS 95.7 29500 h,v; 308m, to better serve Enid. Requires reclassifying KWEN 95.5 Tulsa from a C to a C0 (FMedia, March, via DXLD)

** PARAGUAY. Radio Nacional del Paraguay, luego de casi una semana sin rastros de vida, vuelta a escuchar en los 9736.83 kHz, a las 0241 UTC, con la transmisión del partido Deportivo Cristal-Olympia, desde el Estadio Nacional de Lima, en el marco de la Copa Libertadores. SINPO 32432. Severa interferencia de los 9740 kHz, hasta las 0400. Inusual cierre de la estación a las 0451. 10/03/2004. Si RNP planea reactivar su frecuencia de onda corta, debería gestionar ante los organismos competentes a escala internacional la desocupación de dicho canal, ya que hay demasiado QRM, tanto en 9735, con en los canales aledaños. 73's y buen DX (Ad'n Gonz'lez, Catia La Mar, VENEZUELA, DX LISTENING DIGEST)

Great signals from Radio Nacional on 9736.9 at 0150-0205 announcing "Nacional las 2200 horas" with sport news Copa Libertadores from Lima, Per' with a GGGGG0000000000000000000000000000LLLLLLLLLL of Olimpia team good modulation like to be in the studios.... (Dario Monferini, Milano, March 10, PLAYDX ITALY, RX: JRC 525 + 30 meters outdoor wire (at 7 floor), WORLD OF RADIO 1223, DX LISTENING DIGEST)

** PARAGUAY. RADIO NACIONAL PODR; SER ESCUCHADA EN LA WEB
Articulo aparecido en el diario ABC en el día de hoy.
<http://www.abc.com.py/articulos.php?fec=2004-03-11&pid=98738>

Esta mañana, Radio Nacional del Paraguay y la empresa Telecel firmaron un acuerdo que posibilitará a la citada emisora emitir su señal por internet. Telecel además dotará a Radio Nacional del Paraguay un equipo para sus coberturas presidenciales, nacionales e internacionales.

El director de Radio Nacional del Paraguay, Flaviano Díaz. [caption?]

Flaviano Díaz, director de la citada emisora, nos adelantó que en semanas más será rehabilitada la planta transmisora que poseen en Capiat. Para el acto se espera la presencia del presidente Nicanor Duarte Frutos, además de otras autoridades nacionales y extranjeras.

En la planta transmisora, los funcionarios de la radio han hecho varias reformas. A simple vista se observan las oficinas recién pintadas, el corte del césped y la recuperación de las demás instalaciones ubicadas en el predio.

"Vamos a habilitar un museo aquí, con los objetos que pertenecieron a la radio", indicó Díaz. El público podrá admirar los aparatos que utilizó Radio Nacional del Paraguay, que nació en el Parque Caballero hace 60 años.

Varios cambios han sido implementados en la planta transmisora de Radio Nacional del Paraguay. Según Díaz, los trabajos de reforma de la AM y FM concluyeron, así como la recuperación de la onda corta, que funciona en la banda de 31 metros. La administración de la radio adquirió válvulas norteamericanas para potenciar las ondas de la emisora, tanto para las frecuencias de AM (920) y FM. El objetivo es recuperar gran parte de su potencia perdida y aumentar la cobertura a nivel país.

La planta transmisora, que consta de 47 hectáreas, está ubicada en el Km. 21 de la Ruta I. La nueva administración prepara varios proyectos a realizarse en el citado predio, como festivales populares.

Además de estas actividades, Radio Nacional del Paraguay también tiene entre sus planes reflotar el teatro popular. Para este año tiene la intención de realizar presentaciones de teatro en vivo en el predio de su local (vía Levi P. Iversen, Paraguay, March 11, Conexión Digital vía DXLD)

**** PARAGUAY. "LA REVELACIÓN DE LA VOZ DE LA LIBERTAD"**

Una versión simplificada del artículo titulado "ASOMBROSA REPERCUSIÓN CAUSÓ EMISORA PARAGUAYA" (que aún no he publicado), será emitida el próximo sábado 13 de marzo a través de mi Informe N 150 en el programa "Antena de la Amistad" de KBS Radio Corea Internacional. Como se recordará, el diexista finlandés Jim Solatie desde Lemmenjoki había captado una señal no identificada en 1190 Khz que movilizó a varios colegas de la Lista de Conexión Digital hasta lograrse su identidad. Fue una experiencia típica de alto diexismo basada en la emotiva colaboración de los colegas participantes que supieron demostrar cómo

la pasi n por la radio a grandes distancias puede apoyarse en los recursos de la computaci n y el Internet.

Este es el esquema de Radio Corea Internacional (horarios UT, frecuencias y  reas de destino):

1000-1100	15210	Europa
1000-1100	9580, 9760 (*)	Sudam�rica
2000-2100	9515	Europa
0100-0200	11810	Europa
0700-0800	13670	Europa

(*) v a Sackville-Canada.

(El programa se transmite a los 10' de comenzada cada emisi n, despu s de las noticias.) En real audio por Internet entrando a <http://rki.kbs.co.kr> en los siguientes horarios UT y canales:

2000-2100 - CH1
2100-2200 - CH2
0100-0200 - CH1
1300-1400 - CH2

Tambi n en audio por demanda entrando en <http://rki.kbs.co.kr> (click en Select Language/Spanish, luego Antena-Buz n y elegir la fecha Marzo 13). El programa se carga uno o dos d as despu s de su emisi n. Est n disponibles los siete (7)  ltimos programas emitidos. Un cordial saludo y hasta la pr xima (Informe_N 150_de_Antena_de_la_Amistad-KBS, Rub n Guillermo Margenet, S2000WAJ Rosario, ARGENTINA, March 11, DX LISTENING DIGEST)

** PERU. R. La Poderosa, 6536.09, March 7 0050-0113+ --- 0052, 0056, 0057 many IDs; Spanish pops. OA music, Spanish announcements. Poor-fair with occasional ute QRM.

Radio Per , San Ignacio, 5637.24, March 7 0250-0303* --- Spanish pops, OA music; 0302-0303 canned ID announcements and off. Weak-poor (Brian Alexander, Mechanicsburg PA, DX LISTENING DIGEST)

** PERU. 5014.38 kHz, Radio Altura, Cerro de Pasco 10/3 2000 UT, 2004. Latest (1) Recordings: <http://www.malm-ecuador.com>

Quito 10/Mar/2004 20:15 Amigos DXistas! 5-6 days ago Radio Altura, Cerro de Pasco moved from 5009.70v kHz to this frequency. I get the name after some days but with unknown QTH. This evening I get an ID and ads from Cerro de Pasco. You are very welcome to visit <http://www.malm-ecuador.com> and listen to my recording of Radio Altura. I have the last days also received mails from Robert Wilkner and Charles B, both from USA, regarding an unID on this frequency. 73s (Bj rn Malm, Quito, Ecuador, DX LISTENING DIGEST)

** ROMANIA. RRI English improving 0100 on 9510 and 11740; 0300 fair shot on 6040; Spanish station on 9515 (Bob Thomas, Bridgeport CT,

March 8, DX LISTENING DIGEST) BBC Delano (gh)

** RUSSIA. Glenn: Voice of Russia, 15595 via the Petropavlovsk transmitter, provided me with a signal here in San JosÈ, California, that was no less than 40 dB above S9, so that the program "Musical Tales", heard from 0230 to 0249, on 03-11-04, was about as good as hearing a local bay area MW broadcast station. And to my surprise, someone had decided to remove the "telephone filter" so that there was some musical realism and bass to enhance this amusing program about the initial shock, horror, disgust, and distaste of critics, musicians, and audiences to the greatest works of Mussorgsky, Tchaikovsky, Prokofiev, and Stravinsky. Aside from the fact that I was in complete bliss for twenty minutes, I wish I hadn't heard this: I learned I've mispronounced Mussorgsky for no less than fifty years. It's MUSS-orgsky. Of course I got a kick out of Carl Watts' pronunciation of the name of the great 19th century German music critic and enemy of Tchaikovsky and Wagner, Eduard Hanslick. GANZ-lick. You win a few, you lose a few.

As if to prove that perfection in life is fleeting, a few minutes after the end of the show, during the filler leading to the TOH, everything at the studio went to pieces, with dead air, clicks & pops, cut-ins, a repetition of the cue-start of a recording, and then a gain rise that drove everything into about 500% distortion. I bailed at that point. Best, (Steve Waldee - retired classical music announcer and radio CE, San Jose, CA, DX LISTENING DIGEST)

Some strange things about Russian pronunciation: As I recall, Carl Watts is really Karl Yegorov, and thus a genuine Russian subject to native language influences. For reasons I never been able to fathom, foreign names starting with H (e.g. German and English where the H is pronounced), transform in Russian to a hard G-, even tho Russian has a much closer sound, KH, represented by the single letter X, which is equivalent to the Spanish J, the German CH, etc.

I wouldn't be so sure that you (and I) have been mis-stressing Mussorgsky. Stressed syllables in Russian have a falling rather than rising intonation, which can throw you, making the stress appear to fall on an adjacent syllable, to the English ear unaccustomed to this. My circa 1950 Merriam Webster New Collegiate Dictionary, my favorite as long as I don't need any neologisms, has a handy Biographical Names section (as well as a Pronouncing Gazetteer), which shows the stress on the second syllable both in the original and in the Anglicization. The falling intonation can also make Russian sound 'sad' to our ears. Try speaking English that way (Glenn Hauser, OK, DX LISTENING DIGEST)

Yes, I know -- generally -- what you are talking about. Vladimir Horowitz used to tell stories about his friend Rachmaninoff, who

considered Horowitz to be a German because of his ties to Berlin. He called him Gorowitz, with a very hard G, which amused VH enormously.

Karl (Carl) whatever said -- as closely as I can recreate -- "MISS ergsky" with the MISS half way between "miss" and "muss" in English. And the "ergsky" was just thrown away and de-emphasized with such consistency that I had to practice it several times to say it that way. I will have to listen to VOR more frequently to see if other announcers say it that way. Back when I was a radio announcer, and ever tried to pronounce things in a native fashion, I would be taken to task by managers and program directors and told not to do that. They wanted the "normal" pronunciations that everybody used, rather in the fashion of the old Anglicization of "Don Jew-an" instead of Don Juan. (THAT drives me crazy!)

Now, how Yegorov can turn into Watts interests me. I would have guessed that he was an old defector or something like that -- maybe the son of defectors -- but his pronunciation of English does have a unique accent compared, say, to Vladimir Pozner's. So I would have guessed that he was a talented linguist who grew up in Russia, unlike VP. Most of the VOR English hosts sound a little bit like my old colleague Victor Ledin, who was born in the Middle East to Russian emigrÉs, and who somehow landed out here at Berkeley and has worked in classical radio, eventually ending up as a classical music record producer. Ledin is completely Americanized, but both he and his wife Marina have a tendency to focus the resonance of their mouths upward and foreward to the nasal cavities. Watts, on the other hand, does not; he is a "chest speaker". I sometimes wonder if I hear a trace of German in his accent. He definitely does NOT sound like a Muscovite to me (a presumptuous claim since I can't speak Russian nor have studied any Slavic languages.) SRW (Steve Waldee, DX LISTENING DIGEST) {4-046}

** SOUTH AFRICA. Glenn: It's a good evening for propagation to my reception terminus in San JosÉ, CA. R. Sondergrense from Meyerton is coming in well on 3320 (0318Z, 03-10-04) and to confirm it, I went to the station's website at http://www.rsg.co.za/weet/weet_index.htm and pressed the "hoor" button. The web stream is a few seconds behind the live air signal. Antenna is an elevated horizontal loop with a total of about 200 feet of wire, thru a balun into an R-75 receiver. This is my second logging of Sondergrense in the 90M band, the previous one being months ago: so reception seems to be improving over our bleak winter experience. Unfortunately at 0322 all heck broke loose and some pretty grotesque noise wiped out the entire band: yep, my wife booted up one of the piano lab computers, an old rarely-used noisy Pentium 1 "broadband RF generator". Shortwave can wait... Best, (Steve Waldee, DX LISTENING DIGEST)

** SPAIN. Have listened some to REE's coverage of the bombings in

Madrid, but my main news about it came from BBCWS at 1405. To hear how REE reports it in English, a reminder that it's at 0000-0100 on 6055 (Glenn Hauser, OK, DX LISTENING DIGEST) See also EUSKADI

** SUDAN [non?]. See UNIDENTIFIED 4750

** SWEDEN. RADIO SWEDEN--Coming up on Radio Sweden:

Thursday: "GreenScan"

Friday: Our weekly review

Saturday: "Sweden Today"

Sunday: "Sounds Nordic" repeat
(SCDX/MediaScan March 10 via DXLD)

** SWEDEN [non]. English to NAm 0230 and 0330 fair and/or just barely audible (Bob Thomas, Bridgeport CT, March 8, DX LISTENING DIGEST) 9495 via Sackville, too close/too high (gh)

** U A E. Dubai, 0330 English to NAm, no show for quite some time on 13675, 15400, 12005 (Bob Thomas, Bridgeport CT, March 8, DX LISTENING DIGEST)

** UKRAINE. More than 5,000 people marched through the capital of Ukraine on March 9 in defense of media freedoms after the US-funded Radio Free Europe/Radio Liberty (RFE/RL) was pulled off the air in the former Soviet republic. The protesters were led by three major opposition parties, including Viktor Yushchenko's Our Ukraine, Yulia Timoshenko's bloc and the Socialist party. The United States and the European Union have called on Ukraine last week to resume broadcasting Ukraine's privately-owned radio station Kontinent, which transmitted RFE/RL programs for a few days before being closed down (AFP via SCDX/MediaScan March 10 via DXLD)

** U K [non]. The Connection: "Alistair Cooke Signs Off"

Didn't see anyone mention this... You might be interested in this hour-long show on Cooke featuring his biographer Nick Clarke of BBC Radio 4. I heard it on air this past weekend on the local National Public Radio station; audio is archived at http://www.theconnection.org/shows/2004/03/20040305_b_main.asp (Saul Broudy, swprograms via DXLD)

BBCWS: HOW SHOULD THEY MUSE ABOUT THE USA NOW THAT ALASTAIR COOKE IS RETIRING?

With "Letter From America" coming to an end, the BBCWS will lack a view about the USA from someone living here who also has British roots and can understand and articulate the cultural differences between us and the UK.

Hopefully the BBC will consider a similar kind of program as a replacement -- perhaps "From our Own USA Correspondent" with rotating essays, for now, from the BBC correspondents based here. Perhaps they will allow us listeners to compare & contrast the correspondents, their perspectives, and their presentation -- and then name a permanent replacement. At least that's my suggestion (Richard Cuff / Allentown, PA USA, swprograms via DXLD)

** U S A [non]. United Methodist Church (Radio Africa), A-04 via DTK
100 kW Julich:

13810	0400	0559	46,47,52,53	302	160	217	1234567	280304	311004
15435	0600	0800	37,46	304	190	217	1234567	280304	311004
13820 or 15715	1700	1859	38,48,53	106	145	217	1234567	280304	311004
15715 or 17550	1700	1859	46,47,52,53	303	160	216	1234567	280304	311004

(DTK via Alokesh Gupta, DX LISTENING DIGEST)

** U S A. From the complete FCC A-04 schedule below, we pull out a few stations of interest and leave them also in the overall schedule:

5835	2200	1800	KIMF	50	135	10,11		280304	311004
11885	1600	2300	KIMF	50	135	10,11		280304	311004

[this is the new station in New Mexico, still not on the air, and do not necessarily expect it to show up March 28! Note the two-hour overlap giving them some leeway in when to switch from 5835 to 11885]

11910	2300	0100	WWBS	50	30	3,4,9		17	280304	311004
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[this is Macon GA, which has actually been off the air for a year or so since Mr. Josey died; apparently some chance it will return]

9465	0300	0900	WMLK	50	53	27,28,39		280304	311004
9465	1600	2200	WMLK	50	53	27,28,39	234567	280304	311004
9955	0300	0900	WMLK	125	53	27,28,39		280304	311004
15265	1600	2200	WMLK	250	57	27,28,39		280304	311004

[Note that 15265 is once again registered as it has been for several years without any activity, awaiting the 250 kW transmitter; and note new 9955 for the 250 at half power, but this will conflict with WRMI, which has the option of using the same 0000-1000, tho most of this time actually uses 7385:]

9955	0000	0600	WRMI	50	160	12-16		280304	311004
9955	0600	1000	WRMI	50	160	14-16		280304	311004

(Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. Schedule: Final Summer '04 Version 0
Dates: March 28, 2004 - October 31, 2004 A04fcc02.TXT 04-MAR-2004 FCC

[edited by gh: dates are 280304 to 301004 or 311004 u.o.s.]

days are 1234567 u.o.s. WSHB closed down March 1, but is still registered in case it may come back with a new owner. Stations may not necessarily use the entire span available on a given frequency]

Freq.	Start	Stop	Call	Pow	Azm	Target Zones	Days	Stdte	Spdate
3210	0000	1000	WWCR	100	46	4,9,27,28,37-39		280304	030404
3210	0000	0900	WWCR	100	46	4,9,27,28,37-39		040404	310504
3210	0000	0900	WWCR	100	46	4,9,27,28,37-39		010904	311004
3210	0100	0900	WWCR	100	46	4,9,27,28,37-39		010604	310804
5050	2200	0500	WWRB	50	340	3,4,23,24,44		040404	311004
5050	2300	0600	WWRB	50	340	3,4,23,24,44		280304	040404
5070	0000	1200	WWCR	100	40	4,9,27-29		010604	310804
5070	2300	1200	WWCR	100	40	4,9,27-29		040404	310504
5070	2300	1200	WWCR	100	40	4,9,27-29		010904	311004
5070	2300	1300	WWCR	100	40	4,9,27-29		280304	030404
5085	2200	0500	WWRB	50	45	5,9,17-21		040404	311004
5085	2300	0600	WWRB	50	45	5,9,17-21		280304	040404
5105	2100	1200	WBCQ	50	245	10,11			
5745	2000	1000	WHRI	100	42	4,5,9,17,27			
5755	0100	1300	KAIJ	100	320	2,3,34,35,45		280304	040404
5755	0100	1200	KAIJ	100	320	2,3,34,35,45		010904	311004
5755	0100	1200	KAIJ	100	320	2,3,34,35,45		040404	010604
5755	0200	1200	KAIJ	100	320	2,3,34,35,45		010604	010904
5770	0200	1000	WWCR	100	90	9,11,47,52,53		010604	310804
5770	0300	1200	WWCR	100	90	9,11,47,52,53		040404	310504
5770	0300	1200	WWCR	100	90	9,11,47,52,53		010904	311004
5770	0400	1300	WWCR	100	90	9,11,47,52,53		280304	030404
5825	0000	1000	WEWN	500	285	10			
5825	0000	1000	WEWN	500	20	4,5,9,28			
5835	2200	1800	KIMF	50	135	10,11			
5850	1045	1245	WYFR	100	315	2			
5920	0000	2400	WBOH	50	170	11,12			
5935	0100	1200	WWCR	100	85	36-38,46-48,57		040404	310504
5935	0100	1300	WWCR	100	85	36-38,46-48,57		280304	030404
5935	0100	1200	WWCR	100	85	36-38,46-48,57		010904	311004
5935	0200	1200	WWCR	100	85	36-38,46-48,57		010604	310804
5950	0300	0945	WYFR	100	285	10			
5950	0945	1300	WYFR	100	355	4,5,9			
5950	2145	0300	WYFR	100	355	4,5,9			
5985	0445	0700	WYFR	100	315	2			
5985	2000	0445	WYFR	50	181	11			
6015	1045	1245	WYFR	100	315	2			
6065	2245	0445	WYFR	100	355	4,5,9			
6085	0945	1400	WYFR	100	181	11			
6085	1400	1945	WYFR	100	181	11			

6095	1000	1200	WSHB	250	173	11,12N	167	
6095	1000	1200	WSHB	250	25	4,9	167	
6095	1200	1300	WSHB	250	25	4,9	167	
6095	1200	1300	WSHB	250	173	11,12N	167	
6175	0900	1100	WYFR	100	160	15		
6855	0300	0600	WYFR	100	355	4,5,9		
6890	2200	0500	WWRB	50	90	27,28,37-39	040404	311004
6890	2300	0600	WWRB	50	90	27,28,37-39	280304	040404
7315	0000	1000	WHRI	100	157	10,11		
7355	0300	0800	WYFR	100	44	27,28,39		
7355	1100	1400	WYFR	100	222	12		
7355	2200	0300	WRNO	50	20	3-5,9-11,27		
7385	0000	1200	WRMI	50	317	2,3		
7385	1400	1600	WRMI	50	160	10-13		
7385	2300	2400	WRMI	50	317	2,3		
7395	1500	2200	WRNO	50	20	3-5,9		
7395	2200	1500	WRNO	50	20	3-5,9-11,27		
7415	1400	1600	WBCQ	50	245	10,11		
7415	1900	1000	WBCQ	50	245	10,11		
7425	0000	1200	WEWN	500	220	10,11		
7455	1100	1515	KTWR	100	320	42-44		
7465	1100	1500	WWCR	100	90	9,11,47,52,53	010604	310804
7465	1200	1500	WWCR	100	90	9,11,47,52,53	010904	311004
7465	1200	1500	WWCR	100	90	9,11,47,52,53	040404	310504
7465	1300	1600	WWCR	100	90	9,11,47,52,53	280304	030404
7465	2200	0300	WWCR	100	90	9,11,47,52,53	010904	311004
7465	2200	0300	WWCR	100	90	9,11,47,52,53	040404	310504
7465	2200	0400	WWCR	100	90	9,11,47,52,53	280304	030404
7465	2200	0200	WWCR	100	90	9,11,47,52,53	010604	310804
7490	0400	2200	WJIE	50	55	9		
7490	2200	2400	WJIE	50	55	9,27		
7505	0000	1500	KTBN	100	70	3-5,9		
7520	0100	0200	WYFR	100	142	13		
7520	0500	0800	WYFR	100	44	27,28,39		
7520	1000	1400	WEWN	500	285	10		
7520	1000	1400	WEWN	500	20	4,5,9,28		
7535	0000	0100	WSHB	250	25	4,9		
7535	0000	0100	WSHB	250	173	11,12N		
7535	0100	0300	WSHB	500	315	2-4		
7535	0300	0400	WSHB	500	42	27-29,37		
7535	0400	0600	WSHB	500	25	4,9,27-29		
7555	0100	0200	KJES	50	335	2,3		
7555	0200	0230	KJES	50	20	3,4		
7580	0600	0900	WEWN	500	40	27,28		
7580	2200	2300	WHRA	250	60	27,28,38-40		
7580	2300	0500	WHRA	250	45	27-29,39,40		

9320	1000	1200	WINB	50	242	10,11	050404	311004
9320	1100	1300	WINB	50	242	10,11	280304	040404
9320	1200	2200	WWRB	50	45	4,9,17-21	040404	311004
9320	1300	2300	WWRB	50	45	4,9,17-21	280304	040404
9320	2300	0500	WINB	50	242	10,11	280304	040404
9320	2300	0400	WINB	50	242	10,11	050404	311004
9330	1200	0500	WBCQ	50	245	10,11		
9355	0300	0800	WYFR	100	44	27,28,39		
9355	1100	1200	WYFR	100	160	15		
9355	1200	1500	WEWN	500	220	10,11		
9355	2200	2400	WEWN	500	220	10,11		
9370	0000	2400	WTJC	50	40	4,9		
9385	1700	1800	KSDA	100	300	38E,39	010904	311004
9430	0000	0200	WSHB	500	167	11W,12,14		
9430	0200	0300	WSHB	500	245	10,11		
9430	1300	1400	WSHB	500	315	2-4	167	
9430	1400	1445	KTWR	100	278	49		
9450	0300	0400	WSHB	500	25	4,9,27-29		
9450	0400	0500	WSHB	500	72	46-48,52,53		
9450	0500	0600	WSHB	500	102	52,53,57		
9450	0600	0800	WSHB	500	72	46-48,52,53		
9455	0900	1000	WSHB	500	137	11W,12,13W,14	167	
9455	1000	1100	WSHB	500	152	11W,12,13W,14	167	
9455	1100	1200	WSHB	500	167	11W,12,14	167	
9455	1200	1300	WSHB	500	167	11W,12,14	167	
9465	0300	0900	WMLK	50	53	27,28,39		
9465	1215	1300	KTWR	100	345	45		
9465	1400	1900	KFBS	100	323	30-33,42-44		
9465	1600	2200	WMLK	50	53	27,28,39	234567	
9475	0900	1000	WWCR	100	46	4,9,27,28,37-39	040404	310504
9475	0900	1000	WWCR	100	46	4,9,27,28,37-39	010904	311004
9475	0900	1000	WWCR	100	46	4,9,27,28,37-39	010604	310804
9475	1500	2200	WWCR	100	90	9,11,47,52,53	040404	310504
9475	1500	2200	WWCR	100	90	9,11,47,52,53	010604	310804
9475	1500	2200	WWCR	100	90	9,11,47,52,53	010904	311004
9475	1600	2200	WWCR	100	90	9,11,47,52,53	280304	030404
9475	2200	2400	WWCR	100	46	4,9,27,28,37-39	280304	030404
9475	2200	2400	WWCR	100	46	4,9,27,28,37-39	010904	311004
9475	2200	2400	WWCR	100	46	4,9,27,28,37-39	040404	310504
9475	2200	0100	WWCR	100	46	4,9,27,28,37-39	010604	310804
9495	1000	1300	WHRI	100	157	10,11		
9495	1700	2400	WHRI	100	157	10,11		
9505	0000	0445	WYFR	100	315	2		
9505	1045	1200	WYFR	100	355	4,5,9		
9540	1430	1500	KTWR	100	345	44,45		
9550	0800	1200	WYFR	100	160	14		
9605	0800	1100	WYFR	100	142	15		

9605	1100	1400	WYFR	100	222	11		
9615	1400	1500	KNLS	100	285	43,44,49,54	290804	311004
9615	1400	1500	KNLS	100	285	43,44,49,54	280304	250404
9615	1500	1600	KNLS	100	285	43,44,49,54	250704	311004
9615	1500	1600	KNLS	100	285	43,44,49,54	280304	250404
9615	1600	1700	KNLS	100	285	43,44,49,50	280304	250404
9615	1700	1800	KNLS	100	330	22-26,32-35	250704	311004
9625	0845	1045	WYFR	100	140	13		
9635	1100	1200	KTWR	100	285	49		
9670	1200	1300	KSDA	100	330	44NE,45NW	010904	311004
9675	1400	1430	KTWR	100	345	44,45	123467	
9680	0145	0700	WYFR	100	315	2		
9715	0300	1145	WYFR	50	285	10		
9740	2000	2100	KSDA	100	315	44NE,45NW	010904	311004
9745	1000	1100	WWCR	100	46	4,9,27,28,37-39	280304	030404
[ex 9475, still used at all other times as above, or a typo?????]								
9755	0945	1145	WYFR	100	285	10		
9795	1000	1100	KNLS	100	285	43,44,49,54	260904	311004
9795	1100	1200	KNLS	100	300	22-26,32-35		
9795	1200	1300	KNLS	100	285	43,44,49,54	260904	311004
9795	1300	1400	KNLS	100	270	24-26,34,35,44,45,50,51		
							290804	311004
9845	0700	0800	WSHB	500	245	10,11,59,60		
9845	0800	0900	WSHB	500	245	10,11,59,60	167	
9850	1000	1500	WHRI	100	42	4,5,9,17		
9860	0800	1000	WSHB	500	42	27-29,37	167	
9865	0930	1015	KTWR	100	315	42-44		
9865	1015	1100	KTWR	100	315	42-44		
9880	1400	1500	KSDA	100	300	43S,44S	010904	311004
9880	2000	2100	KSDA	100	330	44NE,45NW	010904	311004
9910	0915	1100	KTWR	100	320	42-44		
9920	1330	1400	KTWR	100	293	41,49		
9920	1500	1600	KTWR	100	345	44,45		
9930	0445	0900	WYFR	100	87	46		
9930	1000	1230	KWHR	100	300	43-45		
9930	1230	1600	KWHR	100	285	41,43,44,49		
9930	1600	1800	KWHR	100	300	41,43,44,49		
9955	0000	0600	WRMI	50	160	12-16		
9955	0300	0900	WMLK	125	53	27,28,39		
9955	0600	1000	WRMI	50	160	14-16		
9955	0800	1600	KHBN	50	280	41,49		
9955	1000	1400	WRMI	50	160	10-13		
9955	1400	1600	WEWN	500	20	4,5,9		
9955	1400	1600	WEWN	500	285	10		
9955	1600	2100	WRMI	50	160	10,11		
9955	2100	2400	WRMI	50	160	10-13		
9955	2200	2400	KHBN	50	280	41,49		
9965	0600	1700	KHBN	80	318	43,44		

9965	2200	2400	KHBN	80	318	43,44		
9975	0100	0800	KVOH	50	100	10,11		
9975	1200	1300	KTWR	100	285	49		
9975	1300	1500	KVOH	50	100	10,11		
9975	1300	1330	KTWR	100	315	42-44		
9975	1330	1400	KTWR	100	285	43,44		
9975	1400	1500	KTWR	100	285	43,44		
9975	1500	1615	KTWR	100	315	42-440		
9975	2200	2400	WEWN	500	285	10		
9975	2200	2400	WEWN	500	20	4,5,9		
9985	0400	0800	WYFR	100	44	27,28,39		
9985	0700	1600	KHBN	50	345	44,45		
9985	1200	1500	WWCR	100	40	4,9	010904	311004
9985	1200	1500	WWCR	100	40	4,9	040404	310504
9985	1200	1500	WWCR	100	40	4,9	010604	310804
9985	1300	1600	WWCR	100	40	4,9	280304	030404
9985	2100	2400	KHBN	50	345	44,45		
11530	0345	0900	WYFR	100	87	37,46		
11530	1500	2200	WEWN	500	220	10,11		
11560	1000	1030	KSDA	100	315	43,44	010904	311004
11560	1100	1200	KSDA	100	330	32S,33S,43N,44N	010904	311004
11560	1700	1730	KSDA	100	300	38E,39	010904	311004
11560	1730	1800	KSDA	100	300	38E,39	010904	311004
11565	0500	1600	KWHR	100	225	51,55,56,58-60		
11565	2000	2200	KWHR	100	225	51,55,56,58-60		
11565	2045	2300	WYFR	100	44	28		
11580	0500	0800	WYFR	100	44	27,28,39		
11580	0845	0930	KTWR	100	315	43,44		
11580	1000	1600	KFBS	100	294	42-44		
11650	0900	1100	KFBS	100	341	30-33,40-45		
11650	1100	1400	KFBS	100	323	30-33,42-45		
11670	1200	1230	KTWR	100	293	42-44		
11670	1300	1400	WSHB	500	245	10,11	167	
11690	2115	2200	KTWR	100	345	45		
11705	1300	1330	KSDA	100	315	45	010904	311004
11705	1330	1400	KSDA	100	270	49E	010904	311004
11715	1300	1400	KJES	50	70	3,4,9		
11715	1400	1500	KJES	50	350	2,3		
11715	1500	1600	KJES	50	150	10		
11720	1230	1330	KTWR	100	278	49		
11730	0500	1000	WHRA	250	90	37,38,46-48,52		
11740	0145	0600	WYFR	100	222	11		
11740	2145	2400	WYFR	100	315	2		
11765	0800	0900	KNLS	100	270	24-26,34,35,44,45,50,51		
11765	0900	1000	KNLS	100	300	22-26,32-35		
11765	1000	1100	KNLS	100	285	43,44,49,54	280304	260904
11765	1200	1300	KNLS	100	285	43,44,49,54	280304	260904

11765	1600	1700	KNLS	100	285	43,44,49,50	250404	250704
11770	0800	1100	WYFR	100	142	13		
11770	2300	2400	KSDA	100	300	43S,44S	010904	311004
11830	1245	1700	WYFR	100	315	2		
11840	0745	0930	KTWR	100	165	51,55,56,58-60	12345	
11840	0815	0930	KTWR	100	165	51,55,56,58-60	67	
11850	2100	2130	KSDA	100	315	45	010904	311004
11850	2130	2200	KSDA	100	315	45	010904	311004
11850	2200	2230	KSDA	100	255	54W	010904	311004
11850	2230	2300	KSDA	100	255	54W	010904	311004
11850	2300	2400	KSDA	100	300	43S,44S	010904	311004
11855	0800	1200	WYFR	100	160	16		
11855	2000	0500	WYFR	100	222	11		
11865	1245	1700	WYFR	100	315	2		
11870	1300	1400	KNLS	100	270	24-26,34,35,44,45,50,51		
							280304	290804
11870	1400	1500	KNLS	100	285	43,44,49,54	250404	290804
11870	1500	1600	KNLS	100	285	43,44,49,54	250404	250704
11875	0700	1200	WEWN	500	155	12-15		
11885	1600	2300	KIMF	50	135	10,11		
11895	1500	1530	KSDA	100	285	41NE	010904	311004
11895	1530	1600	KSDA	100	285	41	010904	311004
11895	2100	2200	KSDA	100	300	43S,44S	010904	311004
11900	1030	1100	KSDA	100	315	43,44	14	010904 311004
11900	1030	1100	KSDA	100	315	43,44	23567	010904 311004
11900	1200	1300	KSDA	100	300	43S,44S	010904	311004
11910	2300	0100	WWBS	50	30	3,4,9	17	
11930	1000	1030	KSDA	100	270	50	010904	311004
11930	1030	1100	KSDA	100	270	50	010904	311004
11930	1400	1430	KSDA	100	285	49NW	010904	311004
11930	1430	1500	KSDA	100	285	49NW	010904	311004
11970	0945	1300	WYFR	100	151	15		
11970	1300	1500	WYFR	100	355	4,5,9		
11975	1100	1200	KSDA	100	300	43S,44S	010904	311004
11975	1500	1530	KSDA	100	270	41S	010904	311004
11975	1530	1600	KSDA	100	270	41S	010904	311004
11975	1600	1630	KSDA	100	300	41N	010904	311004
11975	1630	1700	KSDA	100	300	41N	010904	311004
11980	1300	1330	KSDA	100	345	45	010904	311004
11980	1330	1400	KSDA	100	345	45	010904	311004
11980	2100	2130	KSDA	100	345	45	010904	311004
11980	2130	2200	KSDA	100	345	45	010904	311004
12000	1430	1500	KSDA	100	285	49NW	010904	311004
12075	1330	1400	KTWR	100	285	49		
12090	2230	2330	KFBS	100	276	49		
12105	1100	1500	KSDA	100	315	43N,44N	010904	311004
12105	1500	1600	KTWR	100	278	41,48,49		
12105	1700	1800	KNLS	100	330	20-26,29-35	280304	250704

12120	1200	1330	KFBS	100	278	43S,44S,49		
12120	2200	2300	KSDA	100	330	32S,33S,43N,44N	010904	311004
12120	2300	2400	KSDA	100	330	32S,33S,43N,44N	010904	311004
12130	0845	0915	KTWR	100	305	43,44		
12130	0915	1600	KTWR	100	305	42-44		
12160	1000	1600	KHBN	80	270	41,49,50,54		
12160	1500	2400	WWCR	100	40	4,9,27-29	010604	310804
12160	1500	2300	WWCR	100	40	4,9,27-29	010904	311004
12160	1500	2300	WWCR	100	40	4,9,27-29	040404	310504
12160	1600	2300	WWCR	100	40	4,9,27-29	280304	030404
12170	1200	2200	WWRB	50	90	27,28,37-39	040404	311004
12170	1300	2300	WWRB	50	90	27,28,37-39	280304	040404

[really 12172 --- why not say so?]

13570	0800	0900	WYFR	100	87	46		
13570	1200	2300	WINB	50	242	10,11	050404	311004
13570	1300	2300	WINB	50	242	10,11	280304	040404
13595	0000	2400	WJIE	50	270	41,44		
13615	1200	1400	WEWN	500	155	12-15		
13615	1600	2200	WEWN	500	20	4,5,9		
13615	1600	2200	WEWN	500	285	10		
13615	2200	0700	WEWN	500	155	12-16		
13690	2145	2215	KTWR	100	305	42-44		
13695	1200	1500	WYFR	100	355	4,5,9		
13715	2230	2300	KTWR	100	278	49		
13760	1500	2400	WHRI	100	42	4,5,9,17,27		
13770	2200	2300	WSHB	500	57	27-29,37		
13770	2300	2400	WSHB	500	72	46-48,52,53		
13815	1200	0100	KAIJ	100	320	2,3,34,35,45	040404	010604
13815	1200	0100	KAIJ	100	320	2,3,34,35,45	010904	311004
13815	1200	0200	KAIJ	100	320	2,3,34,35,45	010604	010904
13815	1300	0100	KAIJ	100	320	2,3,34,35,45	280304	040404
13835	2000	2200	WSHB	500	87	46-48,52,53		
13840	1100	1600	KHBN	50	270	41,49,50,54		
13845	1200	0100	WWCR	100	85	36-38,46-48,57	040404	310504
13845	1200	0200	WWCR	100	85	36-38,46-48,57	010604	310804
13845	1200	0100	WWCR	100	85	36-38,46-48,57	010904	311004
13845	1300	0100	WWCR	100	85	36-38,46-48,57	280304	030404

15105	1300	1700	WHRI	100	157	10,11		
15130	1145	1945	WYFR	50	285	10		
15130	1945	2200	WYFR	100	355	4		
15130	2200	0145	WYFR	100	142	13		
15145	1200	1300	KSDA	100	300	43S,44S	010904	311004
15155	1945	2400	WYFR	50	285	10		
15195	1500	1530	KSDA	100	300	41NW	010904	311004
15195	1530	1600	KSDA	100	285	41	010904	311004
15200	0900	0915	KTWR	100	248	54		12567

15200	0900	0915	KTWR	100	248	54	34	
15200	0900	1200	KTWR	100	248	54		
15200	0915	1000	KTWR	100	248	54		
15200	1000	1030	KTWR	100	248	54		
15205	0730	0900	KTWR	100	278	49,50,54	67	
15205	0740	0900	KTWR	100	278	49,50,54	12345	
15215	2100	2200	KSDA	100	315	43N,44N		010904 311004
15215	2200	2300	KSDA	100	315	43N,44N		010904 311004
15215	2300	0400	WYFR	100	160	16		
15215	2300	2400	KSDA	100	315	43N,44N		010904 311004
15235	1600	1700	KSDA	100	285	41		010904 311004
15255	2300	0500	WYFR	100	151	15		
15265	1600	2200	WMLK	250	57	27,28,39		
15275	1100	1200	KTWR	100	255	49,54		
15275	1300	1330	KSDA	100	285	41NE		010904 311004
15275	1330	1400	KSDA	100	285	41NE	14	010904 311004
15275	1330	1400	KSDA	100	285	41NE	23567	010904 311004
15285	2200	2300	WSHB	500	137	11W,12,13W,14		
15285	2300	2400	WSHB	500	167	11W,12,14		
15320	2200	2230	KSDA	100	255	54		010904 311004
15320	2230	2300	KSDA	100	255	54		010904 311004
15320	2300	2400	KSDA	100	270	49E		010904 311004
15330	0930	1100	KTWR	100	255	54		
15380	1400	1430	KSDA	100	270	41S		010904 311004
15385	1800	1900	KJES	50	270	55,58,59		
15385	1900	2000	KJES	50	100	11		
15420	1400	2300	WRNO	50	20	3-5,9-11,27		
15435	1100	1130	KSDA	100	255	54W		010904 311004
15435	1130	1200	KSDA	100	255	54W		010904 311004
15440	2145	0300	WYFR	100	285	10		
15510	0000	0030	KSDA	100	285	49NW		010904 311004
15510	0030	0100	KSDA	100	285	49NW		010904 311004
15510	1000	1100	KSDA	100	300	43S,44S		010904 311004
15520	0100	0200	KSDA	100	300	43S,44S		010904 311004
15575	1500	1530	KSDA	100	285	41S		010904 311004
15575	1530	1600	KSDA	100	285	41S		010904 311004
15580	0830	1200	KFBS	100	242	49S,51W,54		
15590	0000	0200	KSDA	100	315	43N,44N		010904 311004
15590	1400	0100	KTBN	100	70	3-5,9		
15600	1845	2300	WYFR	100	44	27,28		
15615	1000	1100	KSDA	100	315	43N,44N		010904 311004
15665	1800	2200	WSHB	500	25	4,9,27-29		
15685	1700	2000	WEWN	500	40	27-29		
15695	2000	2245	WYFR	100	44	27,28,39		
15725	0700	1600	KHBN	50	270	41,49,50,54		
15725	1200	2300	WRMI	50	317	2,3		
15745	0700	1600	KHBN	100	270	41,49,50,54		
15745	1400	2200	WEWN	500	155	12-15		

15745	2200	2400	WEWN	500	85	46		
15770	1600	1700	WYFR	100	44	27,28		
15770	2100	2245	WYFR	100	87	47,52,57		
15825	1000	2200	WWCR	100	46	4,9,27,28,37-39	010904	311004
15825	1000	2200	WWCR	100	46	4,9,27,28,37-39	010604	310804
15825	1000	2200	WWCR	100	46	4,9,27,28,37-39	040404	310504
15825	1100	2200	WWCR	100	46	4,9,27,28,37-39	280304	030404
17495	1200	2300	WBCQ	50	245	10,11		
17510	0000	0400	KWHR	100	300	43-45		
17510	2200	2400	KWHR	100	285	41,43,44,49		
17525	1700	1900	WYFR	100	87	46		
17540	0000	0100	KTWR	100	293	43,44		
17540	1600	1800	WSHB	500	87	46-48,52,53		
17540	1800	2000	WSHB	500	102	52,53,57		
17560	1300	1500	WHRA	250	60	27,28,39,40		
17595	2000	2200	WEWN	500	85	46		
17650	1500	2300	WHRA	250	90	46-48,52,53,57		
17725	2000	0145	WYFR	100	140	13		
17750	1145	1700	WYFR	100	285	10		
17750	1700	2045	WYFR	100	44	27,28		
17750	2245	0300	WYFR	100	160	15		
17775	1500	0100	KVOH	50	100	10-12		
17780	0400	1000	KWHR	100	300	43-45		
17795	1700	2145	WYFR	100	285	10		
17805	2245	0100	WYFR	100	142	15		
17845	1900	2245	WYFR	100	87	37,46		
17845	2300	0300	WYFR	100	160	14		
18930	1545	2245	WYFR	100	44	27,28		
18980	1545	2145	WYFR	100	44	27,28		
21455	1545	2000	WYFR	100	44	27		
21525	1545	2100	WYFR	100	87	47,52,57		
21670	1545	1845	WYFR	100	44	27,28		

(via Jim Moats, DX LISTENING DIGEST)

** U S A. From time to time I check 13089-USB around 2230 to see if the two USCG weather broadcasts are still clashing. Yes, March 9 at 2229 NMN was in progress, non-robotic now, Atlantic weather; joined at *2233 by NMC Perfect Paul with Pacific weather {in progress!}. At least with two different voices it's easier to tell them apart (Glenn Hauser, OK, DX LISTENING DIGEST)

** U S A. Stop The FCC! This Web site is a petition dealing with the anger people are feeling toward corporate control of our airwaves. This might also have something to do with the campaign against IBOC. I

recommend that you at least look at it; feel free to sign the petition. <http://www.stopfcc.com/>
73 and good DX from (Eric, Amateur Radio Station N0UIH, IRCA via DXLD)

If you appreciate irony and hypocrisy, check this out:
http://beradio.com/ar/radio_currents_57/index.htm#gregg
The good senator from NH is apparently a mouthpiece for the NAB, helping fight the good fight against LPFM. The points made in his letter to the FCC chairman come from the NAB comments submitted to the FCC several months ago, claiming that the FCC-commissioned MITRE study on 3rd-adjacent FM interference was "severely flawed". Here's the one that jumps out at me:

"The MITRE study disregarded accepted scientific methods. MITRE used just six radio receivers in its tests when the FCC had earlier indicated that 21 receivers was a statistically insignificant amount."

That's a pretty strong argument, I must admit. So how come the NAB didn't raise the same point concerning IBOC? They accepted the claim that neither AM nor FM IBOC caused significant interference to analog service, based upon test results for a grand total of *four* receivers. Even that tiny sample of receivers showed some significant problems, which were conveniently ignored. So, apparently "accepted scientific methods" only need to be applied in certain cases, when it's convenient to support your case. And so it goes... (Barry McLarnon VE3JF Ottawa, ON, NRC-AM via DXLD)

** U S A. Dear Mr Devault, as a NAB board member, you should be interested in some input about IBOC, particularly at night, from the point of view of enthusiastic AM listeners.

We are almost universally apprehensive that if this is allowed, it will trash what is left of the AM band (after it has already been crammed full of several times as many stations as it can really handle without harmful interference).

Those who have monitored IBOC tests in the daytime, let alone at night, have found that first adjacent channels are ruined by the digital noise, and even second adjacent or more if one is too close to the IBOC station.

This would reduce AM to essentially a local medium, with range less than FM, typically. Here in Oklahoma, where there has been very little IBOC testing so far, we can still hear what were once called clear channel stations from many different states, any night. There are multiple reasons for doing so, from hearing talk or music shows not available locally, to ball games not available locally, to news from our hometowns while we are far away, etc., etc.

For the entire history of AM radio, anyone with a cheap radio has been able to hear stations from many other states, with good old analog transmission. It would be tragic if this were made impossible.

There is no demand from consumers for IBOC, and there is no good reason to implement it. (Except for station owners who are deluding themselves that this will improve their market share, rather than providing better programming.)

I could go on and on, but I'm sure you get the idea of our point of view. If you like, you may read many more opinions about this, which I have published in my almost daily journal DX Listening Digest.

Please let me have your reaction and would very much appreciate your keeping me informed of the 'progress' of the IBOC/nighttime idea at NAB. Sincerely, (Glenn Hauser, World of Radio, to George Devault, WKPT et al., via DXLD)

Glenn: Unfortunately, the NAB IBOC Committee, the NAB Radio Board, and the NAB Joint Board have voted in favor of nighttime AM IBOC. There were lots of demo tapes (actually a CD) played in the meetings.

My position voiced both in the IBOC Committee Meetings and the board meetings was that if all AM stations were limited to 5 kHz analog fidelity versus 10 kHz, the amount of interference eliminated would likely more than offset the amount of interference added by IBOC. This was (perhaps properly) viewed as too controversial a move with the engineering community. (Of course AM stations going IBOC have to limit their analog fidelity to 5 kHz.)

Don't get me wrong. I love hi-fi AM and have several hi-fi AM radio that I cherish, but the average AM receiver today passes about 2.7 kHz of audio. If analog fidelity were limited to 5 kHz, analog adjacent channel interference would effectively be eliminated, and the receiver manufacturers might actually start broadening the bandwidth of their AM receivers instead of making them steadily narrower.

Best regards, (George DeVault, Our AM stations are: WMEV, WKPT, WOPI, and WKTP, Kingsport TN, March 11, DX LISTENING DIGEST)

** U S A [and non]. A decent proposal? --- The latest proposals by the US Congress to introduce much tougher decency laws for broadcasters, and impose huge fines on those who break them, might at first glance seem a good thing. A majority of people would surely welcome a situation where we are less likely to encounter profanity and not suffer embarrassment while listening to the radio and watching TV with friends and family. However, one thing seems to have been overlooked

in the rush to draft the legislation: much of broadcasting these days is global: <http://www.rnw.nl/realradio/features/html/indec040311.html> (Andy Sennitt, Media Network newsletter March 11 via DXLD)

** U S A. ARBITER OF AIRWAVES DECENCY ADJUSTS WITH THE TIMES
By ANNE MARIE SQUEO The Associated Press 3/11/04 8:25 AM

The Wall Street Journal

WASHINGTON -- David Solomon, chief of enforcement for the Federal Communications Commission, faced a delicate dilemma of grammar and propriety: Could the "f-word" not be indecent?

The word had been uttered during a live broadcast of the 2003 Golden Globe Awards ceremony by the rock singer known as Bono. Mr. Solomon determined that, under current federal law and court rulings, the answer would hinge on whether the word had been used in its literal meaning or as figurative slang. Put another way, was it a verb, an adjective or an adverb?

Last October, Mr. Solomon, a 49-year-old attorney known as "the law professor" at the agency, found that the remark by the lead singer for the band U2 may have been "crude and offensive," but that broadcast decency standards hadn't been violated. In the context of Bono's full statement, made as he accepted a globe for Best Original Song for the movie "Gangs of New York," the words "This is really, really f-ing brilliant," were an "exclamative" adjective protected under principles of free speech.

Mr. Solomon's ruling raised an even-larger firestorm than Bono's original statement. The FCC received 234 complaints about Bono's on-air expletive; Mr. Solomon's ruling drew 237,215 letters to the agency. Critics screamed that the FCC was out of touch with public sentiment, and now the commission is expected to reverse the ruling.

Mr. Solomon's role as the nation's primary arbiter of broadcast propriety is placing him at the center of an escalating cultural war .

. . .
http://wizzer.advance.net/cgi-free/getstory_ssf.cgi?f0054_BC_WSJ--DecencyChief&&news&newsflash-financial
(via Mike Cooper, DXLD)

** U S A. HOUSE PASSES BROADCAST DECENCY BILL
Thursday, March 11, 2004 By Liza Porteus

WASHINGTON ó In the wake of the so-called "wardrobe malfunction" during this year's Super Bowl, federal lawmakers passed a measure Thursday to hit TV and radio broadcasters with heftier penalties for

violating decency rules.

Before the bill passed with overwhelming support, House lawmakers debated the Broadcast Decency Enforcement Act of 2004 (search), which increases the penalties for violations by television and radio broadcasters for allowing obscene, indecent and profane language on the air.

"I think it's imperative that we get this bill to the president's desk as fast as we can," said Rep. Fred Upton (search), chairman of the House Energy and Commerce Subcommittee on Telecommunications and the Internet. . .

Other highlights of the bill:

- Raises maximum fine against a broadcast license-holder from \$27,500 to \$500,000.

- Increases maximum fine against a performer from \$11,000 to \$500,000 and allows the Federal Communications Commission to impose the penalty after the first offense. Under current rules, the FCC must wait for a second offense.

- Orders FCC to act on indecency complaints within 180 days after they are received.

- Mandates FCC to consider revoking license of any broadcaster found with three indecency violations.

- Exempts affiliates from indecency fines if the program was supplied by the network and the individual stations did not have a chance to review it in advance or, if in the case of a live broadcast, had no reason to suspect it could be indecent.

- Expresses the sense of Congress that broadcasters should set aside an hour in prime time to air family-friendly programming. . .

http://www.foxnews.com/printer_friendly_story/0,3566,113951,00.html
(via Bill Smith, W5USM, DXLD)

** ZIMBABWE. TRANSMEDIA on expansion drive --- Harare Herald - Harare, Zimbabwe ... According to statistics from Transmedia, FM radio transmission in the country covers 60 percent while the remaining 40 percent is covered by shortwave. ...
<http://www.herald.co.zw/index.php?id=29859&pubdate=2004-03-11> (Google News Alert via Larry Nebron, DXLD) Also on aid from China, Iran

UNIDENTIFIED. Re 3330: I listened to your recording made around 1000

UT. Definitely Slavic, probably Russian or something very close. I could make out a few words, such as ``sorok`` (forty), and ``chelovyyek`` (person) more than once. Did not sound like a broadcast (programming) to me, but a utility transmission (possibly weather), or two-way communication (due to the pauses, altho rather brief). No doubt someone who speaks Russian could make a lot more out of it. At 1000 UT on 3 MHz, it certainly would not be coming from anywhere in Europe, more likely Far East (Glenn Hauser to Steve Waldee, via DXLD)

One Mystery Solved -- I forgot one other source of info on this, the Dx Handbook from radioascolto.org Yes, you may likely be right about this: on 3330 I find a listing that says "RWZ72 Moskow Meteo ITA2 50". And 'meteo' is Italian for weather forecast: so you nailed it! What a strange phenomenon is propagation... Best, (Steve Waldee, CA, DX LISTENING DIGEST)

But surely not from Moscow at midday on 3 MHz! There may be another one much further east, like beyond the terminator at 1000. Possibly in mid-winter a signal northward from Moscow would be mostly in darkness, but we're almost to the equinox. It's a LONG way from Moscow to Magadan. How far have away have you ever been able to hear at local noon on 3 MHz band? (Glenn to Steve via DXLD)

Never any other time; but it did come in for more than a half hour. So it wasn't just one of those fleeting, momentary things.

I think your speculation that it might be from somewhere like Magadan is very likely. I get them like this, with amazing clarity and consistency, for long periods of time; and then -- maybe the next day -- nothing. Last night I listened to one of the Siberian Radio Rossii feeds for about an hour, while doing other things, and the quality (though 'telephone-like'), was similar to a local BC band station!

So Magadan very well might have its own "meteo" and it hasn't been logged yet by SWL'ers who contribute to the various lists. I don't think there are quite as many rabid DX'ers here in the bay area and west coast as elsewhere since SW is frankly so frustrating here. Too many Oriental stations and not enough Europeans; and not much programming that one might enjoy. So it is appealing only to the taxonomist types like me, or perhaps Guy Atkins. This transmission may very well have been missed -- it could be an anomaly like the TIS stations that people log from across the country, once and uniquely.

That is a very good question. Since "it doesn't work" I haven't TRIED to hear DX at noon, in that frequency region. So even if it might be able to occur, I haven't been there to observe it. I would think that the more likely scenario is the listener, in night-time, who is used to scanning the band, picking up a rare, unlikely propagation or

ducting event from a daylight region. Now that I've proposed that as an hypothesis, I think we do need at least ONE example --- and I can't offer any! So it's in the realm of "Coast To Coast AM" pseudo-science at this point: call me "The Richard C. Hoagland of Shortwave Listeners" if you like!! I am joking, of course, but the only way we could take the investigation further would be for a listener fluent in the language to hear it, and to try to identify some geographical clues. (But what of a "network program"? The Russians seem to like to put on standardized wide-area broadcasts, stemming from the Soviet days of those "wired loudspeakers" on closed-circuit feeds in every apartment and hotel room, like the mandatory visor screen in Winston Smith's abode. Could they produce a 'national weather service' such as our televised Weather Channel -- isn't it from somewhere like Atlanta? -- and then feed it to the hinterlands? If so, they'd be talking about weather all over the Motherland, and people would have to stay tuned to find out about their own region every once in a while: again, this might be intuited from the actual content of the program.) Nothing last night/this morning.

Idle thought about day propagation

In 1981 when I was CE of KKHI in San Francisco (1550) we rec'd from Finland a cassette tape of our 11 pm to 12 midnight program "Music of the Spheres", sounding pretty much like I would have expected, but quite intelligible.

I just looked on my globe and while SF and Finland are not exactly opposite, it is very evident that the Finnish listener would have recorded the show very much in daylight; furthermore, it was NOT winter.

So, if a near-trop band signal can propagate in daytime to be rec'd in Finland, is there an orthogonal relationship: i. e. would a Finnish signal, transmitted in the middle of the day at that exact frequency (with an appropriate antenna) have been received at night in SF? I presume so, controlling for transmission angle, etc...

Could this possibly be an example that could tend to corroborate a Moscow weather station transmitting at noon and being picked up in the middle of the night in San Jos , under anomalous ionospheric conditions? (Steve Waldee, *ibid.*)

Neither Steve nor I could find anything helpful at the WUN website (Glenn Hauser, *ibid.*)

None of the other pages returned by either Google nor Yahoo search, containing key words including weather, meteo, weather radio, 3330, etc., had anything relevant; the only specific references to the

frequency 3330 -- there were lots of them -- were always to CHU.

I am wondering if (1) there has been a recent change. The Irkutsk DXers page -- <http://www.irkutsk.com/radio/meteo.htm> -- has a list of the "meteo" stations in Russia; there is nothing specified for 3330 but there are stations in Magadan, Yakutsk, etc., that would be good candidates *if* one of them recently switched to 3330. In fact, other than the reference to the "Moskow meteo" at 3330 in the radioascolta.org list, I can't find a specific listing of that station anywhere at that frequency (Steve Waldee, ibid.)

UNIDENTIFIED. With respect to Chuck Bolland's report on 4499.97 kHz, 4-044:

I tuned this station at roughly the same time March 10 UT but the signal was much stronger than what Chuck reported. I did not stay with it, thinking possibly China was there (although now that I look at it, I'm sure that path is long gone by 0100 UT) so I didn't copy the programming. Therefore your harmonic theory looks good and Latin America doesn't based on Chuck's versus my reception. I have heard harmonic of WTOP but can't recall if it was on 4500 kHz --- plus they aren't classical (John L. Sgrulletta, NY, March 11, DX LISTENING DIGEST)

So I checked the 2003-2004 NRC AM Log, which shows formats, all the listings on 1500: no classical shown, not surprising. Of course, something primarily ethnic, nostalgia or gospel might momentarily have something that sounds classical. No Canadians at all on 1500. Cuba has a classical music network, one of the finer things about that country, but none shown by WRTH 2004 on 1500 (Glenn Hauser, DX LISTENING DIGEST)

UNIDENTIFIED. Re Tony Rogers' loggings of "Radio Peace" on 4750 kHz, Andy Sennitt makes this suggestion: Maybe it's this one:

<http://www.persecutionproject.org/resources/radios/radios.htm>

"Last year Persecution Project in partnership with Educational Media Corp's Global Endeavor Ministry helped establish RADIO PEACE - Sudan's premiere Christian radio station. Today Radio Peace is providing daily broadcasts of the Gospel of Jesus Christ including music, news, evangelistic and discipleship programming in seven indigenous languages. Until recently radical Islamist propaganda dominated the Sudanese air waves. Now, with the establishment of Radio Peace, the Light of the Gospel is penetrating all parts of Sudan."

Also this from <http://www.missionvisionnetwork.org> Nov 2003 (Tony Rogers first reported the station in Dec 2003).

"After 14 months of planning and four trips to Southern Sudan by EMC President and Manager Pete Stover, "Radio Peace," a regional shortwave station, is now covering the southern third of the country with Christian programming four hours per day in six languages. Our Kenyan technician Livingstone Kiniaru did a wonderful job climbing 40 foot creosote telephone poles to hang the 200 foot horizontal antenna. God provided every tool, including improvised ones, to do the job. We trained two local Sudanese operators during our 10-day stay to operate and maintain the 6 kva generators, operate the 1kw transmitter, and the audio equipment for playing back programming CDs. Mike Taylor (EMC board member) and Jerry Logan (EMC board member) contributed hard work and valuable "workarounds." We were all healthy the entire 10 days on-site as we camped in the bush amidst heavy day and night winds and high temperatures near 100 degrees. One gratifying moment occurred after we left. We were able to monitor the station 500 miles away in Nairobi. It was a weak signal with fading and noise, but we didn't expect to hear it at all since the range of the transmitter and antenna was purposely limited to 350 miles. It meant that the local operators we trained did their job without us and that the signal was likely penetrating hundreds of miles into the focus area with a clear and usable signal as planned. Next phase: acquiring 10-thousand radios to needy potential listeners in the next 3-6 months and moving the shipping container studio so that local/regional programming can be produced and presented. Pray for the programming broadcast by "Radio Peace" to bring hope to the persecuted Christians and the truth of the gospel to the persecutors." (Andy Sennitt, HCDX via BDXC-UK via WORLD OF RADIO 1223, DXLD)

UNIDENTIFIED. 5700.19 --- Glenn: I am hearing what can only be described as 'frantic ranting' by two people: a lower pitched and a higher pitched voice, presumably a man and a woman, at 0900 on 03-10-04 -- it could be some kind of intense religious chanting -- and have been following this for several minutes trying to identify it. I see that there is a 100 to 150 w station in San Ignacio, Peru on this frequency but when last reported was on the air only about 4 hours, and then not at this time of day. A very irritating periodic and odd ute signal is superimposed, consisting of brief data bursts coinciding with simultaneous tones in a consistent periodicity; but luckily my auto-notch filter is taking out the worst of this. The speech disappears *completely* when I switch to my long dipole (107M, NW-SE) but is heard reasonably well (though unintelligibly) with my large horizontal loop antenna. Rx: Icom R-75 (Steve Waldee, San Jos , CA, DX LISTENING DIGEST)

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LANGUAGE LESSONS --- see RUSSIA

## PROPAGATION

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### PROPAGATION NEWS FROM RSGB

Solar data for the period from the 1st to the 7th of March, compiled by Neil Clarke, G0CAS. <http://www.g0cas.demon.co.uk/main.htm>

Solar activity was very low to low, although on the 6th activity increased to moderate when an M1/SF solar flare occurred. The solar flux declined to 90 on the 3rd but recovered to 106 by the 7th. The average was 101. The 90-day solar flux average on the 7th was 111, that was down one unit on last week. X-ray flux levels remained more or less steady and averaged B2.1 units. Once again, due to a recurring coronal hole, the geomagnetic field started at 'active' levels although by the 5th had declined to quiet levels. The quietest day was the 6th with an Ap index of 5 units. The average was Ap 11 units. The ACE spacecraft saw solar wind speeds decline from 750 kilometres per second to 300 by the 7th. Particle densities remained low throughout at between 1 and 5 particles per cubic centimetre. The Bz fluctuated between minus and plus 7 nanoTeslas.

Coronal holes and good HF conditions just don't take place at the same time. HF band conditions gradually improved as the week went on as the coronal hole rotated out of view. Conditions were reasonable for the ARRL International SSB contest taking place last weekend. Saying that, 10 metres was well down compared with previous years. What little VHF auroral activity that was reported was from high-latitude stations, particularly in Scandinavia.

And finally the solar forecast. This week the slightly more active side of the sun is expected to be looking our way. Solar activity should be mostly low but could increase from midweek when the return of an active region is due to take place. The solar flux should increase and by next weekend be around the 120s. Geomagnetic activity should be quiet at first but then increase towards next weekend due to a recurring coronal hole. MUFs during daylight hours at equal latitudes should be around 26 MHz for the south and 23 MHz for the north. The darkness hour lows should be around 10 MHz. Paths this week to the East Coast of North America should have a maximum usable frequency, with a 50 per cent success rate, of around 25 MHz. The optimum working frequency, with a 90 per cent success rate, should be about 19 MHz. The best time to try this path should be between 1200 and 1800 UT.

The RSGB propagation news is also available in a Saturday update, posted every Saturday evening and for more on propagation generally,

see <http://www.rsgb.org/society/psc.htm> (Radio Society of Great Britain GB2RS Main News script for March 14 posted March 10 on uk.radio.amateur by G4RGA via John Norfolk, DXLD) ###